

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:
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PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year) **13 MAY 2005**

Applicant's or agent's file reference

FOR FURTHER ACTION

See paragraph 2 below

PDC-0011

International application No.

International filing date (day/month/year)

Priority date (day/month/year)

PCT/US04/26886

18 August 2004 (18.08.2004)

20 August 2003 (20.08.2003)

International Patent Classification (IPC) or both national classification and IPC

IPC(7): E03B 9/02 and US Cl.: 137/272, 292, 293, 377

Applicant

MILLER, WAYNE E

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/ US

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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US04/26886

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

☐ a sequence listing

☐ table(s) related to the sequence listing

b. format of material

☐ in written format

☐ in computer readable form

c. time of filing/furnishing

☐ contained in international application as filed.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US04/26886

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>1-40</u>	YES
	Claims <u>NONE</u>	NO
Inventive step (IS)	Claims <u>1-40</u>	YES
	Claims <u>NONE</u>	NO
Industrial applicability (IA)	Claims <u>1-40</u>	YES
	Claims <u>NONE</u>	NO

2. Citations and explanations:

Claims 1-40 meet the criteria set out in PCT Article 33(2) because the prior art, taken singly, does not teach or fairly suggest the invention as claimed.

Claims 1-11 and 17-26 meet the criteria set out in PCT Article 33(3) because the prior art does not teach or fairly suggest a portable fire hydrant comprising a hydraulic cylinder coupled to a hydrant body and a water engagement mechanism coupled to the hydrant body, the mechanism comprising at least one locking member cooperating with the actuator to move to a position engaging a water main component.

Claims 12-16 meet the criteria set out in PCT Article 33(3) because the prior art does not teach or fairly suggest a portable fire hydrant comprising a bladder seal radially distensible from a hydrant body for creating a water-tight seal between the hydrant and a water main component.

Claims 27-33 meet the criteria set out in PCT Article 33(3) because the prior art does not teach or fairly suggest a portable fire hydrant system comprising an electronic signaling device proximate an access above ground to a water main pipe disposed underground and configured for receiving a portable fire hydrant.

Claims 34-39 meet the criteria set out in PCT Article 33(3) because the prior art does not teach or fairly suggest a portable fire hydrant system comprising a cover spanning access above ground to a water main pipe disposed underground and configured for receiving a portable fire hydrant, the cover including a locking mechanism that can be electronically or magnetically deactivated.

Claim 40 meets the criteria set out in PCT Article 33(3) because the prior art does not teach or fairly suggest a portable fire hydrant comprising a water main pipe disposed underground and configured for receiving a portable fire hydrant and a lateral valve and shoe coupling disposed between the water main pipe and a connective pipe.

Claims 1-40 meet the criteria set out in PCT Article 33(4) because the subject matter claimed can be used in industry.